

what is claimed is
CLAIMS

1. A composition obtainable by reacting a carboxylic anhydride or carboxylic dianhydride with a diamine or polyamine and a polyphenol or aminophenol.
- 5 2. A composition containing
- A) a copolymer having at least one glass transition temperature of -30°C or lower and epoxy-reactive groups,
- B) a reaction product obtainable by reacting a carboxylic anhydride or dianhydride with a diamine or polyamine and a polyphenol or aminophenol and
- 10 C) at least one epoxy resin.
3. Compositions as claimed in claim 2, characterized in that component A) is a butadiene-based copolymer.
4. Compositions as claimed in claim 2 or 3, characterized in that
- 15 component A) is a carboxyl-containing copolymer based on butadiene/acrylonitrile, butadiene/(meth)acrylates, a butadiene/acrylonitrile/styrene copolymer or a butadiene/(meth)acrylate/styrene copolymer.
5. A composition as claimed in claim 2, characterized in that component A) is a core/shell polymer of which the core polymer is a diene
- 20 polymer or a (meth)acrylate polymer with a glass transition temperature of -30°C or lower and which may optionally be crosslinked with 0.01 to 5% by weight of a diolefinic comonomer and of which the shell polymer has a glass transition temperature of 60°C or higher and is obtained from monomers from the group consisting of alkyl (meth)acrylate,
- 25 (meth)acrylonitrile, (methyl) styrene and olefinically unsaturated carboxylic acids or carboxylic anhydrides or mixtures thereof.
6. A composition as claimed in at least one of the preceding claims, characterized in that an adduct of an epoxy resin and a copolymer according to claims 2 to 5 is used as component A).
- 30 7. A composition as claimed in at least one of the preceding claims,

a) a carboxylic anhydride selected from maleic, succinic, glutaric, adipic, pimelic, suberic, azelaic or sebacic anhydride or phthalic anhydride, benzenetricarboxylic anhydride, mellophanic dianhydride, pyromellitic dianhydride, 1,8:4,5- and 2,3:6,7-naphthalenetetracarboxylic dianhydride, perylene dianhydride, biphenyl tetracarboxylic dianhydride, diphenylether tetracarboxylic dianhydride, diphenylmethane tetracarboxylic dianhydride, 2,2-diphenylpropane tetracarboxylic dianhydride or benzophenone tetracarboxylic dianhydride and mixtures thereof and

b) a polyamine selected from polyethylene glycol, polypropylene glycol, polyoxytetramethylene or polybutadiene diamine or triamine and

c) a polyphenol or aminophenol.

8. A composition as claimed in claims 2 to 7, characterized in that
15 component B) according to claim 7 is dissolved in a liquid polyepoxide.

9. A composition as claimed in claims 1 to 5, characterized in that component B) according to claim 7 is reacted with a stoichiometric excess of a polyepoxide.

10. A composition as claimed in at least one of the preceding claims,
20 characterized in that, in addition to components A), B) and C), it contains

A) a latent hardener from the group consisting of dicyanodiamide, guanamines, guanidines, aminoguanidines, solid aromatic diamines and/or a hardening accelerator and

25 B) optionally plasticizers, reactive diluents, rheology aids, fillers, wetting agents and/or antiagers and/or stabilizers.

11. A process for hardening components A), B), C), D) and optionally E) according to claim 10 by heating the composition to temperatures of 80°C to 210°C and preferably to temperatures of 120°C to 180°C.

12. The use of the compositions claimed in claim 10 as a high-strength
30 high-impact structural adhesive in vehicle construction, aircraft construction

